

AIM Ann Report
1952 to 1953

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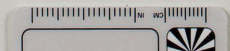
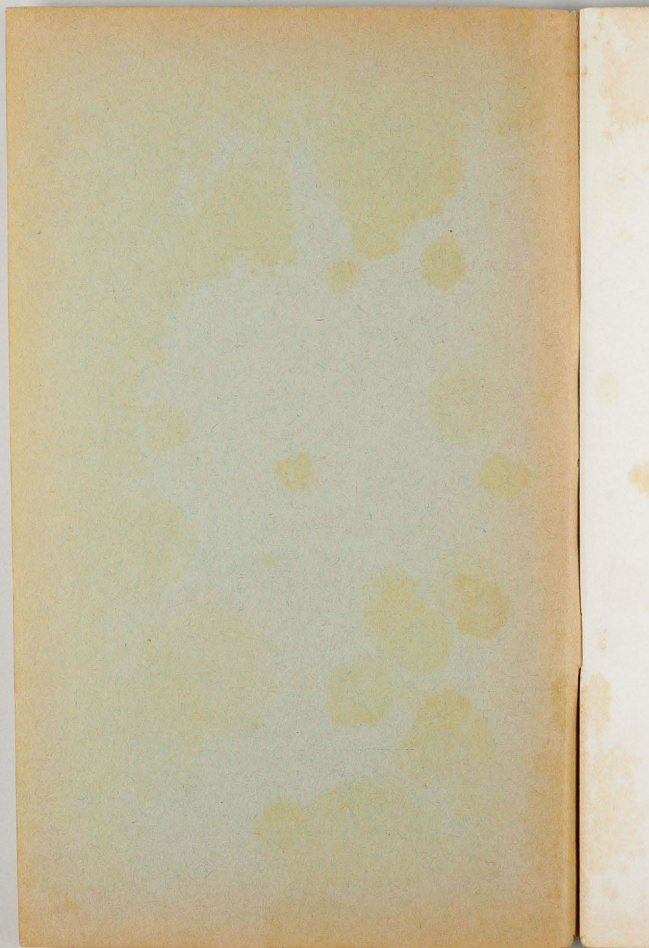
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ANNUAL REPORT
OF THE
AUCKLAND
INSTITUTE
AND MUSEUM
1952-53

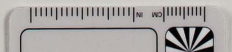
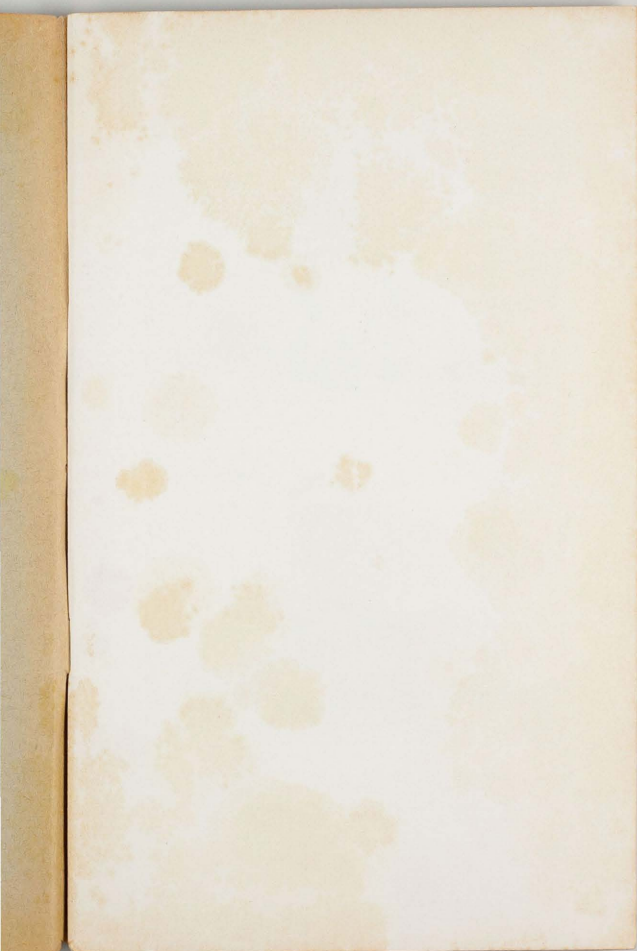


For presentation at the Annual
General Meeting to be held on
27th May, 1953.

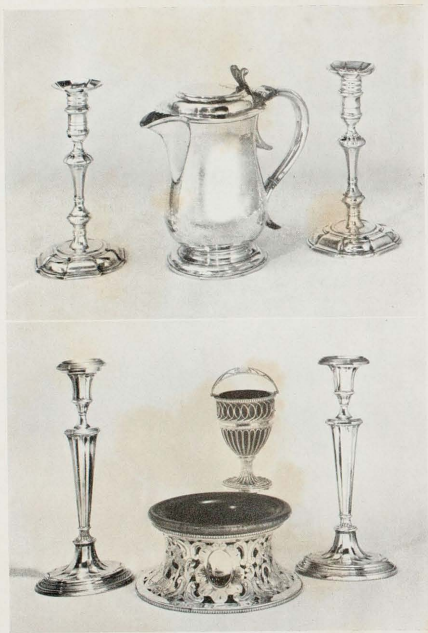
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Upper: George II Silver Candlesticks, Mr. W. J. Crowther bequest;
George II Silver Cup, Visitors' Contribution Fund.

Lower: Irish Potato Ring and other Sheffield plate, presented by Sir
Frank Mappin.

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AUCKLAND INSTITUTE
AND MUSEUM

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For presentation at the Annual General
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Staff of the Museum.

Director	GILBERT ARCHIEY, O.B.E., M.A., D.S.C., F.R.S.N.Z.
Assistant Director	A. W. B. POWELL, F.R.S.N.Z.
Ethnologist	V. F. FISHER, M.A.
Hon. Curator of English China ..	C. REGINALD FORD, F.R.I.B.A.
Botanist	R. C. COOPER, M.A., B.COM.
Hon. Botanist	LUCY CRANWELL SMITH, M.A., F.L.S., F.R.S.N.Z.
Associate Botanists	PHYLLIS HYNES. KATHLEEN M. WOOD.
Ornithologist and Entomologist ..	E. G. TURBOTT, M.Sc.
Associate Ethnologist and Display ..	OLWYN M. TURBOTT.
Geologist	M. H. BATTEY, M.Sc.
Associate Geologist	A. P. MASON, M.Sc.
Librarian	ENID A. EVANS, B.A., A.L.A.
Education Officer	R. A. SCOBIE, M.A.
Assistant Education Officer	H. GRIMSON.
Bookkeeper and Typist	PAULINE C. BOYD.
Library Assistant	M. V. SHAW.
Typist	D. CLARK.
Taxidermist	C. W. DOVER.
Cabinetmaker and Joiner	FRANK QUAYLE.
Custodian	J. L. DAVY, D.C.M.

Attendants:

J. STEWART, W. ANSO, G. GRANT, H. MACKAY, J. MORIARTY.

OFFICERS
OF THE
AUCKLAND INSTITUTE
AND
MUSEUM
1952-1953

President:

PROFESSOR L. H. BRIGGS, D.SC., D.PHIL., F.R.S.N.Z.

Vice-Presidents:

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HON. T. BLOODWORTH.
MR. F. L.-G. WEST, V.D., LL.M.

Council:

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MR. W. A. FAIRCLOUGH,	MR. A. T. PYCROFT.
M.B., CH.B., F.R.A.C.S.	
MR. C. REGINALD FORD, F.R.G.S.,	SIR CARRICK ROBERTSON,
F.R.I.B.A.	F.R.C.S.
SIR ALEXANDER JOHNSTONE,	MR. J. H. ROSE, LL.B.
O.B.E., Q.C., B.A., LL.B.	PROFESSOR H. W. SEGAR, M.A.,
MR. J. W. KEALY, S.M.	F.R.S.N.Z.
MR. V. J. LARNER, M.B.E.	MR. E. EARLE VAILE, O.B.E.

Representatives of the Auckland City Council:

HIS WORSHIP THE MAYOR, SIR JOHN ALLUM, C.B.E.
MR. R. S. HARROP, B.COM. MR. W. CALDER MACKAY, M.C.
MR. J. M. WHITTAKER.

Representatives of Local Bodies:

MISS C. M. RAINS, MESSRS. H. BROWN, B.A., E. HAY,
W. E. LA ROCHE, B.SC.

Trust Board:

MR. V. J. LARNER (Chairman). MR. KENNETH B. MYERS, M.B.E.
MR. E. ANDERSON. MR. A. T. PYCROFT.
SIR FRANK MAPPIN.

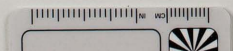
Representatives on Council of Royal Society of New Zealand.

PROFESSOR L. H. BRIGGS, MR. A. T. PYCROFT.

Director:

GILBERT ARCHY, O.B.E., M.A., D.SC., F.R.S.N.Z.

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Reports to Members

President

Centennial

During the last year the Auckland Museum celebrated its centenary. The original Museum was established on 25th October, 1852. In 1867 the Auckland Institute was founded for the promotion of arts, science and literature, and soon after took over the custody of the Museum, the two bodies combining as the Auckland Institute and Museum, as it is known today.

The centennial functions commenced with a Presidential address by the President, Mr. F. L.-G. West, on 5th May, almost coinciding with the date, 4th May, of the first presidential address to the Auckland Institute in 1868. This was followed by a series of six special centennial lectures on the progress of science in its various branches over the past one hundred years. The lectures will be published in a special Centennial number of the Museum Records.

During the year the Council was "at home" to our colleague societies and eleven societies accepted our invitation to hold one of their ordinary meetings in the Museum library. Well attended meetings were held by the Society of Arts, the Association of Scientific Workers and Science Teachers' Association, the Botanical Society, the Institute of Chemistry, the Astronomical Society, the Anthropology and Maori Race Section of the Institute, the Geographical Society, the New Zealand Institution of Engineers, the New Zealand Dental Association, the New Zealand Institute of Architects and the British Medical Association. These meetings fulfilled the aims of the Institute in promoting the arts, science and literature in the community; they also brought the Museum and Institute into closer contact with the work of these organisations, to, we hope, our mutual benefit.

On April 4th an evening was held for the Mayors, Chairmen and members of the metropolitan local bodies. The Council expresses its thanks to the members of the staff who prepared suitable exhibitions for the occasion.

The Museum centennial was commemorated at the Sunday morning services at St. Mary's Cathedral and St. Patrick's Cathedral on October 17th. The final function took the form of a *conversazione* in the Museum on October 23rd, attended by representatives of the Church, the services, local bodies and sister

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societies and our own members. We are especially grateful to the whole staff of the Museum and the Ladies' Committee for their help in making it a very pleasant and successful function and a fitting finale to our centennial celebrations.

Memorial Oration

On 11th February, at the invitation of the Auckland Branch of the British Medical Association, Major-General H. E. Barrowclough, C.B., D.S.O., M.C., delivered a moving memorial oration in the Hall of Memories during the Annual Conference of the Association.

Obituary

We record with regret the death of the following members: V. R. Findlay, A. Goldie, Princess Te Puea Herangi, C.B.E., Major G. R. Hutchinson, O.B.E., Mrs. W. E. La Roche, B.Sc., J. Lowe, Miss F. Murray, Oliver Nicholson, J. W. M. Smith, Mrs. Bertha Wilson, and F. M. Winstone.

Mrs. Bertha Wilson followed the activities of the Museum with close personal interest and support; she endowed the Mitchelson Prize given at the annual Cheeseman Flower Show and made endowments of £3,000 for cinematography and photography.

Mr. Oliver Nicholson served on the original Citizens' Committee which was responsible for the erection of the present Museum as Auckland's War Memorial to the First World War. He was a member of the Trust Board from 1923-1934.

Princess Te Puea Herangi, C.B.E., will long be remembered for her leadership of and service to the Maori people.

Council

We regret that, through illness, we have not had the benefit of the years of experience in the affairs of the Museum from our senior member of the Institute, Professor H. W. Segar. We also regret that he was unable to be present at the Centennial Conversation.

Membership

In our centennial year an extra endeavour was made for new members, and, although we did not reach our target of one thousand members, the roll at the end of the year was 979, an increase of 101 for the year. Of our total number 290 are life members. Fifty-six names were removed from the membership list through death, resignations and deletions, and a record number of 157 new members were elected.

Honours

The Museum's greatest benefactor, Mr. E. Earle Vaile, was honoured by Her Majesty the Queen by his appointment as an Officer of the Order of the British Empire. In addition to his benefactions to the Museum and Institute, the Public Library and the Auckland Grammar School, Mr. Vaile is also well known for his pioneering farming work in the Upper Waikato district.

Miss M. W. Crookes, M.A., was awarded the Loder Cup for 1952 for her distinguished botanical work on New Zealand ferns.

Gifts

We are again greatly indebted to Mr. E. Earle Vaile, O.B.E., for the gift of many valuable books dealing with the early history of New Zealand.

Through the will of the late Mr. J. C. Entrican an endowment fund of £1,000 has been established for the maintenance and extension of the numismatic collection. This is additional to his collection of coins given in 1947.

We are especially grateful to the late Mr. W. J. Crowther for the gift of a beautiful pair of George II silver candlesticks and to Sir Frank Mappin for a gift of fine pieces of 18th century silver and Sheffield plate.

The New Zealand Insurance Company has made the gift of several groups of beautiful office furniture in oak. The cabinets have been used for storage purposes in the library and elsewhere, while the carved table now takes a prominent position in the library.

We are again indebted to the Auckland Electric-power Board for a grant of £50 to the Museum.

Not a week goes past without some gift, large or small, and to all these donors the Council would like to express its sincere thanks.

Scenery Preservation

It is gratifying to record that the efforts of several institutions, including our own, have culminated in an Act of Parliament setting aside 22,500 acres of Waipoua Forest as a sanctuary. At the invitation of the Government, the Council has nominated Mr. J. H. Rose as our representative on the Waipoua Forest Sanctuary Advisory Committee.

The Council is also watching developments in the proposal to harness the Upper Waikato for hydro-electric purposes, and any effect on the scenic beauties of that area. A definite statement from the Government as to its intentions has not yet been made.

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Science Congress

The Council has advised the Royal Society of New Zealand that it will organise the 8th Science Congress to be held at Auckland in May, 1954.

Bus Services

At the request of the Council the Auckland Transport Board has inaugurated a bus service to the Museum to and from the Pitt Street terminus.

Finance

In addition to the extra work involved during our Centennial year the Council has given a great deal of attention to the matter of finance, which has become acute. Despite the savings created by the absence without salary of two members of our scientific staff (Mr. Cooper, botanist, and Mr. Battey, geologist) we have ended the year with a deficit in the Income and Expenditure Account of £278. All but two of the contributing metropolitan local bodies met the Council's request for a voluntary 15% extra contribution above the statutory contribution. An encouraging response was made by the provincial local bodies to the Council's request for a voluntary contribution of one penny per person of their population. Over 50% of these local bodies made contributions during the year amounting to £583. In order to put our financial position to the provincial local bodies and explain the Museum services obtainable in the province, visits were made by the President and the Director to meetings of Nos. 2 and 6 County Wards at Hamilton and Whangarei, respectively, while personal interviews were made with representatives from the Whangaroa, Kawakawa, Kamo and Whangarei districts.

Despite the welcome increased support from metropolitan and provincial local bodies the Council has found the financial position still unsatisfactory. After a thorough review of the financial requirements and the methods of contribution, a new budget and a revised scheme of contribution have been prepared. These were placed before representatives of the local bodies at a meeting called by His Worship the Mayor. The meeting accepted the budget requirements of the Museum, and a revised scheme of contribution which allows for increases with the growth in population is now under consideration. If the endeavours of the Council come to fruition the finances of the Museum and Institute should be satisfactory and stable for many years.

L. H. BRIGGS,
President.

Chairman of the Trust Board

£1,488/13/5 has been added to the endowment fund during the year, the major items being the James C. Entrican bequest of £1,086/3/3 and life members' subscriptions amounting to £388/10/-. The endowment fund is now £49,113/15/7; investments which include £5,950/3/11 of reserves are £55,063/19/6.

A new mortgage, £3,300, has absorbed the new endowment funds, mortgage and debenture repayments, and an amount awaiting investment at the beginning of the year.

The investments now comprise £4,478 on mortgage, £10,132 in war savings certificates, £37,123 in New Zealand and Australian government stock, and £3,331 in local body debentures.

V. J. LARNER.

Director

Each year the institution motto, Whaowhia*, finds new fulfilment. It may be in European arts as in the eighteenth century silver plate given by Sir Frank Mappin and that purchased through the Visitors' Contribution Fund, or the early Bristol china given by Mr. C. Reginald Ford; in the arts and crafts of the Maori and other Oceanic folk; or in natural history specimens collected by the staff,

A Maori treasure is a *tau rapa*, canoe sternpost, obtained through the Edward Earle Vaile Fund; another is a naively designed *pare* or door-lintel deposited by Mr. C. G. Murdock; others again are the Lindauer Maori portraits presented by Mr. William Goodfellow, a river-canoe prow from Mr. I. W. McLeod and a wooden comb recovered from a swamp and given by Mr. J. F. McIntyre. Sir Carrick Robertson has presented an extensive collection of fine Zulu bead-work and wooden ivory ornaments, a Chinese mandarin cloak is the gift of Mrs. Edward C. Moncton, and the Wellcome Museum in London has presented a collection of Polynesian and Peruvian arts and crafts. We have also received an extensive collection of natural history specimens and negatives bequeathed by Major G. A. Buddle.

Each year also sees rearrangements and new installations to improve the display. With the setting up by Mr. Turbott, assisted by Mr. J. B. McCaw, of five new cases during the year, a set of

*"Filled: as of a treasure house." Suggested by Te Rangi Hiroa.

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effective landscape groups now completes the end of the New Zealand Bird Hall. A simplified arrangement by Mrs. Turbott of Oriental ceramics and bronze, and of English silver and Sheffield plate, gives the individual pieces more room to assert their quality. A special exhibition organized by Mrs. Turbott, Melanesian sculpture, comprised pieces chosen from our collection by Professor Paul Wingert, of Columbia University, who also contributed the exhibition handbook. The drawings for the handbook were by another visitor, Mr. Richard Hardin, of the University of Texas.

An exhibition of early maps from the library was arranged by Miss Evans, first in connection with the Library Association conference and afterwards in the Museum.

An interesting centennial conversazione exhibit, arranged by Mr. Powell, was a collection of documents and photographs of the early days of the museum and its first officers and trustees. Another photographic display was of Car Production in Great Britain and Gardens in Britain, lent by the High Commissioner for the United Kingdom. Finally, mention is due to the regular changes in the postage stamp displays arranged by Mr. L. J. Ayre; they are always followed with interest, particularly by our younger visitors.

Field work received notable assistance from Mr. C. H. Wild, who made a special trip in his fine yacht "Tara" to take the Museum's fifth expedition to the Three Kings Islands to continue studies of the regenerating flora and fauna. While the shore party—Archey, Turbott, Bull and Edwards—carried out their work in satisfactory weather, the yacht had to stand out in heavy seas, which restricted the achievement of Powell's and Baylis's intentions. Nevertheless, good work was accomplished near North Cape and at the Poor Knights on the outward trip; it has since been extended by trips to the Hen and Chickens and to bird rock in Hauraki Gulf. Members of the staff join in thanking Mr. Wild for the opportunity of reaching these outlying islands, and thank him and the members of his crew for enthusiastic and energetic assistance throughout.

Mr. Fisher and I visited Mangakino to examine rock carvings; at our request Mr. A. C. Clark, project engineer, had the difficult task of removing a considerable area of the cliff face successfully undertaken, and the carvings are now in the Museum. Drawings at Waipapa were also studied, and a later visit was made to West Waikato to record surface rock designs.

Maintenance of the Museum building has included the repair of steel window frames, and attention to the roof; show-case repolishing has also been carried out.

In addition to the "Records," publications have included the exhibition handbook already mentioned and a Newsletter.

Institute Syllabus and Activities

The centennial year syllabus was opened by the Presidential Address on 5th May, when Mr. West reviewed the thought of the years since the Museum was founded and ventured some possibilities of the coming years. It is intended that Mr. West's centennial address, together with the following series of lectures on A Century of Discovery and Research shall be published later in the year in a centennial volume of the Records of the Institute and Museum.

Professor A. R. Lillie, Ph.D.: "A Century of Geological Research in the Auckland Province."

Professor P. W. Burbidge, M.Sc., F.Phys.Soc.: "The Century and the Atom."

Professor L. H. Briggs, D.Sc., F.R.S.N.Z.: "Looking Back on New Zealand Chemistry."

Dr. R. A. Falla, F.R.S.N.Z.: "The Contribution of New Zealand Naturalists in a Century of Biology."

Dr. F. R. Smale: "A Survey of a Century of Medical Progress."

Professor C. G. J. Dalton, D.Phil., B.Sc., B.E.: "Energy in the Service of Man: A Century of Achievement."

Associated with the centennial were four talks from IYC on "The Century in Science" contributed by:

Professor A. R. Lillie, Ph.D.: "Geology in the Auckland Province."

Professor P. W. Burbidge, M.Sc., F.Phys.Soc.: "The Century and the Atom."

Dr. R. A. Falla, F.R.S.N.Z.: "A Naturalist Looks Back."

Dr. Gilbert Archey, F.R.S.N.Z.: "The Second Century."

Overseas lecturers whom we had the pleasure of hearing were Professor Clyde Kluckhohn, who spoke on "Culture and Personality"; Dr. C. E. Kenneth Mees, F.R.S., on "The Road to Wealth"; and Dr. Sydney Chapman, F.R.S., on "Meteors and Meteorites."

Sunday afternoon lectures in the Museum library were kindly contributed by:

Mr. E. G. Turbott, M.Sc.: "Questions and Answers on Everyday Natural History."

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Mr. R. Hardin, B.F.A.: "A Texan looks at Texas."

Dr. J. A. Rattenbury, Ph.D.: "Botanizing in California."

Mr. T. Wilson, M.A.: "Life in Siam."

Mr. V. F. Fisher, M.A.: "Goldie's Maori Portraits."

Mrs. M. C. Bassett, B.A.: "The Dyaks of Sarawak."

Mr. A. W. B. Powell, F.R.S.N.Z.: "The Galathea Expedition in New Zealand Waters."

Members of the staff continue to meet requests for outside lectures and radio talks and have given forty-one during the year.

Contributors to a successful session of the Anthropology Section included: Mr. D. S. Marshall on Panama Indians, Professor Paul Wingert on Cultural Motivation in Primitive Art, and Dr. Florence Kluckhohn on Personality Problems. On Maori topics, three speakers, Dr. G. Archey, Mr. K. Sinclair and Mr. J. M. McEwen, lectured respectively on the Moahunters; the Maori King Movement; and Contemporary Administrative Problems, while Professor K. B. Cumberland spoke on South Pacific Land Tenure. A film screening of Moana of the South Seas and a field afternoon on One Tree Hill led by Mr. V. F. Fisher completed the programme.

The Auckland Astronomical Society carried out a full programme of meetings during the year, together with extension activities that met with full public response, particularly in connection with the Auckland Carnival in February. The President of the Section, Mr. R. A. McIntosh, entertained the members at his home, and the Society also participated in an At Home meeting as part of the Museum centennial programme. The Society acknowledges the valuable gift by Sir Frank and Lady Mappin of a four-inch reflecting telescope, which has been allotted to the Secretary, Mr. Greager, for his lunar observations. The membership has greatly increased and now stands at 126.

The recently formed Conchology Section (formerly the Auckland Museum Conchology Club) had a very full programme of lectures and other activities for the year. Their regular monthly meetings, with an average attendance of thirty-two members, were held at the Museum.

This year the Section commenced a molluscan faunal survey of the Manukau Harbour. After completion of a report the collection will be housed at the Museum for reference.

The Section's annual publication (Bulletin No. 8) was published in November. It consists of sixteen pages and includes eleven original papers by members.

A centennial is a time for prospect as well as of retrospect, and we may therefore venture to envisage some future activities of the Institute and the War Memorial Museum.

The second Roll of Honour and memorials of gallant deeds come first to mind, and next that the present display of war trophies and records will become a worthy Services Museum; that the expanding school services may find adequate accommodation and facilities and that many junior "members" of the Museum may frequent a children's workshop-library fitted with benches, lockers, microscopes, tools and drawing materials; that adults as well as children may attend lectures, talks, cinema screenings and demonstrations in a suitably equipped auditorium; and that for the scientific staff and research visitors there may be rooms, furnishings and equipment for the more effective maintaining and study of the many treasures of science and art that the Museum holds: holds, maybe, as legal owner but more importantly holds in trust for advancement of knowledge, for the advantage and benefit of the citizens resident in or near the city and throughout the province of Auckland, and for the promotion of science, literature and art.

Whaowhia nga waka o te taonga; whaowhia nga kete o te matauranga.

GILBERT ARCHHEY.

Assistant Director

The year has been a busy one owing to extra commitments in oceanography and continually increasing enquiries.

Fifteen outside lectures were delivered, and in collaboration with Mr. Turbott answers to questions submitted by children on nature topics were provided for a series of IYA broadcasts.

Two papers on New Species of Land Snails were published in the Records of the Auckland Institute and Museum, vol. 4, No. 3, which was edited and published in December

Meetings of the New Zealand Oceanographic Committee were attended in Wellington. A considerable amount of correspondence has taken place in the organisation of an UNESCO sponsored symposium entitled "Marine Provinces within the Indo-Pacific Region," for the Eighth Pacific Science Congress to be held in the Philippines in November next. Another oceanographic activity involved the inspection of ships at the naval dockyard for fouling organisms. An appointment to the UNESCO Advisory Panel on Oceanography was accepted.

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Field trips covered visits to the Three Kings Islands and Hen and Chickens Islands in Mr. C. Wild's yacht "Tara" and two overland trips to Cape Maria van Diemen.

Some time each day has been spent on the reference collections of mollusca and the preparation of an index, which now covers 10,200 species.

A check-list of the Australian Recent and Tertiary Mollusca was prepared and duplicate copies have been lodged in the Dominion Museum, the New Zealand Geological Survey Office, Wellington, and the Australian Museum, Sydney. The check-list may be published later in collaboration with Miss Joyce Allan, of the Australian Museum.

A report on the New Zealand Mollusca (Gastropoda) obtained during the "Galathea" expedition is in preparation.

An important accession was an extensive named series of New Zealand Ostracoda extracted and prepared from Auckland Museum dredgings by Mr. N. de B. Hornibrook, Micropaleontologist, New Zealand Geological Survey. The collection comprises 30 holotypes, 27 paratypes and 50 supplementary specimens.

A simplified amateur bookbinding method has been devised for pamphlets and over 300 volumes were completed during the year.

Museum displays were restricted to an oceanographic exhibit for the evening reception at the Museum to Local Bodies Representatives and a photographic record of the history of the Auckland Museum for the Centennial Year celebrations.

The "coming of age of The Museum Conchology Club," which was founded twenty-one years ago, has been fittingly recognised by the Museum Council's invitation to the club to become a section of the Auckland Institute and Museum. A report on the Club's activities will be found henceforth in the Director's Report.

A. W. B. POWELL.

Ethnologist

With the addition of 1,322 specimens the collections have been improved in several directions. Of special significance was the Tikopian collection presented by Lieut.-Commander J. F. A. O'Neill, and other accessions of note included Maori and Oceanic material from the Edward Earle Vaile Trust Fund; three Maori portraits by Lindauer presented by Mr. William Goodfellow;

Papuan ethnographical specimens from the Rev. L. W. Allen; a collection of South American pottery from the Wellcome Medical Museum, and a Maori whale tooth pendant from Mr. G. R. Hodge.

The co-operation of the Principal, Mr. T. Wilson, two lecturers, Messrs. S. Knight and S. S. P. Hamilton, and sixty-five students from the Ardmore College made it possible for valuable field work to be undertaken at Maraetai. Two periods of three and seven days respectively enabled the students to gain valuable archaeological and cultural experience and the Museum benefited by the addition of many important specimens and the gleaning of much information. Before assembling at the camps the students were briefed at the Museum. In company with the Director, visits were paid to Mangakino and Waipapa to inspect rock carvings and paintings.

Field afternoons were arranged at One Tree Hill for the members of the Anthropology and Maori Race Section, Ardmore College students and Christchurch Teachers' College, and talks given on the Maori environment, history and earthworks. A field day held at Clevedon School under the auspices of the New Zealand Forest and Bird Protection Society was attended and short talks on Maori nature lore were given to five groups of children.

Three groups of Education II students from the Auckland University College visited the Museum to study the cultural life of Greece and suitable material was made available. Seven lectures were delivered to various societies and a series of Sunday Afternoon Lectures in the Museum Library was arranged. I also served as a member of a radio panel discussion group and supplied answers on Maori and other ethnological questions for Miss F. Gunson's IYA Session for children.

At the request of numerous inquirers, sets of references were prepared on Maori and Oceanic topics for students, teachers, officials and private persons. Many specimens were lent to schools, dramatic clubs, religious bodies, teachers' training colleges and private lecturers. Of special importance was the local material lent to the Clevedon Centennial Committee. A select list of books on New Zealand was compiled for the Titirangi Library and another selected list prepared for the library of the R.N.Z.V.R.

During the year I have served on the Council of the Art Galleries and Museums Association of New Zealand and on its sub-committee for the distribution of the Wellcome collection of South American pottery; I represented the Museum and the Art Galleries and Museums Association at a conference in Wellington to discuss the question of historic monuments, and was also elected Chairman of the Anthropology and Maori Race Section.

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Visiting anthropologists who have studied the reserve collections included Professor Paul Wingert, of Columbia University, and two Fulbright scholars, Miss M. Stoller, of Denver, Colorado, and Mr. R. Hardin, of the University of Texas.

The addition of further steel filing cabinets has made little appreciable difference to the problem of lack of space for the reserve collections. Maori musical instruments, pigment materials, Solomon Islands shell ornaments and other Melanesian specimens have been transferred to the cabinets. Reorganization of the African collections has been completed. The following student assistants have helped with the registration of specimens and routine work. Misses P. Barlow and J. Tidswell, Messrs. E. Brough, D. Digby and A. M. Ihle.

V. F. FISHER.

Associate Ethnologist

In addition to the minor changes normally carried out in the exhibition halls there have been several special display projects during the year.

The inclusion of a number of gifts in the exhibition of silver gave us an opportunity to regroup the collection. These new pieces include a charming pair of Eighteenth Century cast silver candlesticks bequeathed by the late Mr. W. J. Crowther, a pair of Sheffield plate candlesticks and an Irish Sheffield plate potato ring presented by Sir Frank Mappin. The new additions and arrangement have made the display collections more comprehensive and interesting. The Sheffield plate is now shown together in one case.

Professor Paul Wingert's visit was an opportunity such as rarely comes to us to collaborate with an expert in a special field. With his assistance a series of fine pieces of Melanesian art was assembled from our collections and this formed the special exhibit entitled "Human Forms in the Art of Melanesia." Professor Wingert wrote a handbook to accompany the exhibition and this was later published in the "Records." Mr. Richard Hardin gave generously of his time in helping to set up the exhibit and in drawing the illustrations for the handbook.

During the year the case devoted to the temporary exhibition of recent accessions has been used for three displays. These were a show of Norman Hardy water-colours of Melanesian scenes; a collection of South African material presented by Sir Carrick Robertson, and material collected in Borneo by Mrs. T. Bassett for the Vaile Collection.

O. M. TURBOTT.

Associate Botanists

Additions for the year totalled 3,390 collectings, of which 2,855 came by gift or exchange and 535 from local field work.

The accessions included 100 specimens from the Department of Agriculture, Ottawa; 84 from the State University, Utrecht, Holland; 924 from Missouri Botanical Gardens, 1,100 from University of Massachusetts; 124 from U.S. National Herbarium, 306 from Mr. T. W. Mellor, Nelson; 100 Swedish plants from Miss L. Williams, Whangarei; 25 sheets of Algae from Mr. V. Lindauer, Bay of Islands; and 92 specimens for the Botany of Auckland collection from Mr. E. D. Hatch, Laingholm.

Material coming to hand has been mounted and filed and much time has been spent attending to inquiries and identifications.

Specimens have been loaned for research purposes to local and overseas institutions. New Zealand exchange material has been sent to State University, Utrecht, and Department of Agriculture, Ottawa. Some time was spent supplying data for a special exhibit of floral postage stamps.

Field trips have been made to National Park, Taupo and Ohakune areas, Mts. Egmont, Pirongia, Te Aroha and Pihanga, and collections made of both native and introduced plants.

Last September our services were requested for judging at a children's native flower show, and in March a field day was spent at Clevedon School.

We have continued each week to collect and arrange flowers and berries on the native plant tables, and special displays were staged for local body receptions and the Centennial Celebrations.

Floral arrangements on the central block in the Cheeseman Hall have been maintained weekly by ten ladies, and our thanks are due to them for their very decorative displays.

The main event of the year was the Cheeseman Memorial Flower Show held in September. This was opened by Miss M. Crookes and the total attendances were 6,217. We found the organisation of this show greatly simplified by the able and ready assistance given by the Auckland Botanical Society and the Botany Department of the Auckland University College. The Forest and Bird Protection Society staged a fine exhibit depicting animal damage to forest; the Auckland Natural History Club showed

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juvenile and adult plant forms; the Y.W.C.A. Gardening Circle, the St. Mark's Ladies' Committee and the Titirangi Beautifying Society arranged decorative exhibits. Other exhibits included native trees and shrubs arranged by the Auckland Hospital Board and the Auckland City Council; alpiners, hybrid forms, Maori medical plants, fungi, bryophytes, orchids, plant parasites and an attractive floral map of a portion of the Waitakeres.

The section comprising the children's competitions was organised by Mrs. B. Buddle and Miss A. O'Neill and 97 entries were received. Many other individuals gave assistance, donated flowers and generously contributed towards the money for prizes. The result was a splendid Show covering a wide field of botanical interest.

KATHLEEN WOOD.

PHYLLIS HYNES.

Ornithologist and Entomologist

This year it has at last been possible to complete the installation of six additional habitat groups at the end of the Hall of New Zealand Bird Life, planned some time ago to relieve the mainly formal cases in the Hall. Previous experience of installing the first group of godwits and other waders had already proved invaluable. This year Mr. J. B. McCaw was employed to carry out the work on the five remaining cases, which show banded dotterel, stilt, two species of inland water shag in a stream group, the Stewart Island shag, and shags of the subantarctic. An effective representation of the habitat in this shallow type of case proved a difficult problem, but has been overcome by Mr. McCaw in the blending of his painted background and foreground material on a gently rising base; strip lights were also tested and incorporated while the cases were being planned. The work required field excursions to collect supplementary material for the habitat settings and to sketch the backgrounds.

Finally, the installation of artificial lighting was extended to the larger groups of kiwi, spotted shag and pied shag along this end of the Hall.

A general improvement has been made in the housing of the study collections, including the rearrangement of part of the insect collection in two new 18-drawer cabinets, and transfer to alcohol-sealed bottles of a large series of invertebrates. Much of this has

been skilfully carried out by Messrs. J. S. Edwards and R. McGregor, who acted at intervals as student assistants.

Talks on the collections and special instruction were given to nature study groups of Auckland and Ardmore teachers' Colleges, sixth form secondary school classes and University students of the advanced class in zoology. The Museum's films and lantern slides have been sent on loan to Forest and Bird Protection Society groups in Hamilton and Tauranga, as well as in Auckland.

Public lectures given this year have dealt largely with local and everyday natural history. This theme was also taken for the fortnightly children's question session from station 1YA, "The Museum Answers Your Questions," in conjunction with other members of the staff.

The preparation of the Ornithological Society of New Zealand's Check-list, now ready for publication, has entailed intermittent work as a member of a committee (Convener, Dr. C. A. Fleming) over the past three years. Papers have been published on "Some Stray Tropical and Sub-Tropical Sea Birds in New Zealand" in the *Records* and on "Island Ecology" (read at the first New Zealand Ecological Society conference).

Field work has included two notable opportunities for special projects, firstly the Museum's expedition to the Three Kings Islands, and second, a visit for further field work in the *Notornis* area. On the Three Kings expedition, projects undertaken were the study and collection of the brown quail (*Synoicus*), the ringing of nestling red-billed gulls, and, in collaboration with Mr. P. C. Bull, of the Animal Ecology Section, D.S.I.R., bird census work to give information on a quantitative basis relating to the effect of the destruction of goats upon the environment. Mr. J. S. Edwards undertook a full collecting programme to extend the general invertebrate collections from Great Island, and a large amount of material, including leaf mould samples, was obtained which will be sent for report to specialists in various groups. A day spent on the Poor Knights Islands earlier in the expedition enabled most useful collections and observations to be made.

Field investigations since the re-discovery of *Notornis* were further advanced by the expedition in February, invitation to accompany this expedition being received through the courtesy of the Department of Internal Affairs, Wildlife Section. Observations were devoted especially to the status of post-breeding family groups of *Notornis* and their distribution in relation to the season.

E. G. TURBOTT.

Associate Geologist

During the past twelve months a further 1,300 specimens have been catalogued, including the large collection of minerals and rocks donated by the Council of the Waihi School of Mines which was mentioned in last year's report.

The most important accession during the year was a group of 68 mineral specimens given by Dr. B. H. Mason, of Indiana University, U.S.A. This collection contains much material suitable for display purposes and includes several minerals not previously represented in the Museum collections. A representative selection of igneous and sedimentary rocks was collected from Hukatere Peninsula, North Kaipara, and further additions have been made to the fossil collections from the Kaipara and Port Waikato areas. The Museum now possesses an excellent collection of Upper Cretaceous pelecypods and gastropods from the Kaipara district which should prove invaluable when a systematic study is made of the fauna.

During the year small study collections have been loaned to the Geology Department, Auckland University College, the Educational Section, R.N.Z.A.F., Hobsonville, and to the Educational Section of the Museum. Approximately 70 North Auckland Cretaceous fossils were presented to the New Zealand Geological Survey.

A small display has been prepared incorporating material received from the Waihi School of Mines, and the whale remains mentioned in last year's report have been placed, together with similar remains which have been in the Museum's possession for a number of years, on a special platform in the Geology Hall.

A short paper on the geology of the Albatross Point District, Kawhia, was published in the *Records of the Auckland Institute and Museum*, whilst a longer paper on the geology of the Central Hokianga area has been accepted for publication in the *Transactions of the Royal Society of New Zealand*.

Field work in the Port Waikato and Kaipara districts has continued and day excursions have been made to several localities close to Auckland. In conjunction with Dr. N. R. Brothers, of the Geology Department, Auckland University College, a week was spent studying the geology of Hukatere Peninsula, North Kaipara. This excursion resulted in the discovery of several new fossil localities.

Mr. E. Arlidge has given valuable assistance in the organization and maintenance of the collections and is responsible for cataloguing most of the 1,300 specimens registered during the year.

As the work of the Department has been carried out on a part-time basis, relatively few enquiries have been dealt with. A considerable amount of time and correspondence has been taken up in the maintenance of the Master Fossil Record File mentioned in last year's report.

A. P. MASON.

Educational Officer

Summary of Attendances for One Hour Lessons.

Primary	Intermediate	Post-Primary	Total
22,094	8,030	3,966	34,090

Student Teachers on Section.

120	18	138
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Numbers in Visiting Student Teacher Classes

287

Schools receiving Loan Material.

City	Provincial	
60	194	254

Attendances at Film Sessions

2,563

This possibly has been the busiest year experienced. While this response is encouraging, it exerts a constant pressure on the staff, who have to strike a balance between the main activities of the department, i.e., working with the schools, and training student teachers.

The student teacher training might be regarded as a constant factor. A basic twelve students a month with smaller numbers of post-primary students, constitutes the most conveniently-sized group for training and for teaching small groups of children at the exhibits. Not less than one-quarter of our time is spent training student teachers.

Working with the schools is the focal point of our effort. It involves: (a) Talks at the Museum; (b) Lending material.

The demand for talks has been outstanding. For a considerable period the flow of children was at the rate of 42,000 a year,

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even after discreet rationing. Talks involve preparing and grading lessons. The demand for the new work contributed considerably to the large attendances, and this in turn has proved a limiting factor in the developmental work. With the rapidly growing number of intermediate and post-primary schools this developmental work is imperative if this department is to prove adequate. Though this was the major goal of the year, only a small portion of the field was touched because of the intense demand for lessons.

Fresh requests for loan material continue to be received, but no new cases have been produced. The planning of a case is a lengthy business involving the full professional skill of the Education Officer. With the pressure from the schools for lessons and the need to renew most of the visual aids material, it has been impossible to tackle this work.

Minor activities have been running the holiday film sessions, conducting the Cheeseman Memorial Prize Competition, co-operating in a post-graduate research on the work of the department, the further training of nature study specialists and answering requests for identifications and information from the schools.

It is apparent that the department has reached the stage where almost any part of its main activities might absorb completely the efforts of its staff. It is now impossible to satisfy the demand in any one direction without sacrificing the other functions of the department. The work this year has shown that the present facilities in the Museum can go a long way towards meeting the increasing demands of the school population for lessons and that the existing organization is suitable for incorporating additional staff for this purpose.

R. A. SCOBIE.

Librarian

During the past year there has been a considerable enrichment of the library's stock, particularly in the sections on New Zealand and the Pacific. As much rare, and some unique, material became available, it was considered advisable to take advantage of the opportunity of purchasing it, so that this year the library expenditure has exceeded that of any other year. Among the notable accessions are: Journals of the Provincial Councils, almost completing the library's sets; early volumes of Hansard; Angus—South Australia Illustrated; Hergsenroeder's original wash drawings for Langsdorff's *Reise um die Welt* (1812); original draw-

ings of Pacific Island scenes by Norman Hardy; a number of Colenso papers. All these were purchased from the Edward Earle Vaile Trust Fund. In addition, the library has acquired many items by donation. These include drawings and sketch books of Charles Heaphy, donated by Miss Dudley and Miss Jean Robertson; some rare early works donated by Mr. E. Earle Vaile, including Angas's *The New Zealanders Illustrated*, William Bligh's *Voyage to the South Sea*, the anonymous and surreptitious account of Cook's last voyage, Parkinson's *Journal of a Voyage to the South Sea*, and a number of others. The total number of books added to the library during the year was 1,402, of which 1,044 were purchased from the Edward Earle Vaile Trust Fund.

In response to a request from the Dominion Archives, the Museum has undertaken the temporary custody of a number of early gold mining records from the Paeroa Courthouse.

Borrowings for the year numbered 2,773, these including 72 postal borrowings by country members and 169 by other libraries. The library borrowed 30 books on interloan from other libraries.

There has been some improvement in the binding situation, and binding of some of the more important periodicals is being brought up to date.

Space has again been a problem, but the addition of four steel stacks, accommodating about 600 books, has relieved the situation in the reading room; while the wooden cases given by the New Zealand Insurance Co., and erected in one of the Exhibition halls, house about 800 other works.

During my absence overseas, Mr. Michael Hitchings acted as Librarian and Miss A. Minchin did the cataloguing. I should like to express my appreciation to them both for the efficiency and diligence with which the work of the library was carried out. Mr. Hitchings left at the end of January to attend the Library School, and Miss Vivien Shaw has replaced him as assistant.

We acknowledge with thanks donations of books or periodicals from the following persons: Hon. T. Bloodworth, Professor Worley, Dr. G. de Courcy, Dr. Gwynne, Lieut.-Commander Taylor, Messrs. S. J. Attenborrow, G. S. Baker, G. P. Brown, W. C. Copley, C. W. Devonshire, M. R. Dixon, C. R. Ford, A. M. Isdale, R. Noel Johnson, S. Kronfield, A. D. Mead, A. T. Pycroft, E. H. Rhodes, R. F. A. Riesco, A. C. B. Smithson, E. Earle Vaile, Mr. and Mrs. Fenton, Mrs. E. M. Buchanan, Mrs. Latto, Mrs. L. Watson Smith, Miss Stevenson, Miss Upton.

ENID A. EVANS.

AUCKLAND INSTITUTE AND MUSEUM

RECEIPTS AND PAYMENTS ACCOUNT.

For the Year Ended 31st March, 1953.

RECEIPTS.		PAYMENTS.	
	£ s. d.		£ s. d.
To Balance, 1/4/52	2,172 14 5	By Salaries and Wages	10,392 18 0
.. Subscriptions	690 5 0	.. Insurance	80 3 2
.. Subscriptions Paid in Advance	44 13 0	.. Library Expenses	348 2 8
.. Life Subscriptions	388 10 0	.. Institute Expenses	313 11 11
.. Interest—		.. Specimens—	
.. Mortgages	62 8 3	.. Purchased	664 13 8
.. Debentures	179 5 0	.. Collecting and Travelling	455 14 0
.. N.Z. Government Stock	1,047 3 8	.. Preserving and Display	233 10 2
.. Australian Stock	52 3 10	.. School Services, Education, Prizes	188 7 8
.. Local Body Contributions	12,775 2 5	.. Publications and Photos	278 7 1
.. Sundry Receipts	30 6 2	.. Publications (Reserve Account)	251 15 10
.. Savings Bank Interest	206 12 10	.. General Maintenance	1,150 11 5
.. Sale of Transactions	93 17 6	.. Buildings Maintenance	1,503 2 6
.. Sale of Publications—Reserve Account	722 0 11	.. Showcases and Furniture	362 8 11
.. Refund of School Service Expenses	83 17 9	.. Scientific Equipment	89 16 4
.. J. C. Entrican Bequest	1,086 3 3	.. Auckland Museum Maintenance Amendment Act, 1931 (Sec. 37), and Local Legislation Act (Sec. 5)—Entertainment, Wreaths	66 8 10
.. Rents from E. E. Vaile Properties Trust	2,123 10 3	.. South Pacific Commission	85 8 0
.. Receiver of Land Revenue—		.. Edward Earle Vaile Trust Fund—	
.. Sales	3 9 2	.. Specimens Purchased	183 17 9
.. Rent and Interest	18 7 9	.. Library Books Purchased	2,138 4 2
.. Mortgages—Repayment of Principal	162 0 0	.. Outgoings on Properties	432 8 8
.. Debentures Repaid	1,200 0 0	.. Obsolescence Fund Account, 1952-53	200 0 0
.. Contributions—		.. Transfers—	
.. Specimen Purchase	166 6 9	.. Investment Account	1,362 0 0
.. Memorial Hall Account	29 12 9	.. Life Subscriptions Account	388 10 0
.. Special Donations	159 2 0	.. Specimen Purchase Account	166 6 9
.. Transfers—		.. Memorial Hall Account	29 12 9
.. E. E. Vaile Trust Fund—Sale of Books	38 19 10	.. Museum Endowment Account	3 9 2
.. E. E. Vaile Trust Fund—Unexpended as at 31/3/52	374 16 3	.. Publications Reserve Account	470 5 1
.. E. E. Vaile Trust Fund—Overexpended, 1952-53	417 4 3	.. J. C. Entrican Bequest	1,086 3 3
.. South Pacific Commission Account	60 13 9	.. Balance	1,863 9 0
.. Specimen Purchase Reserve Account	400 0 0		
	£24,789 6 9		£24,789 6 9

INCOME AND EXPENDITURE ACCOUNT.
For the Year Ended 31st March, 1953.

EXPENDITURE.		INCOME.	
	£ s. d.		£ s. d.
Salaries and Wages	10,392 18 0	Subscriptions	739 14 6
Insurance	80 3 2	Interest—Mortgage, Debentures and Stock	1,423 10 9
General Maintenance	1,150 11 5	Life Members	388 10 0
School Services, Education, Prizes (Less Refunds, School Service)	104 9 11	Contributions from Local Bodies	12,775 2 5
Publications, Photos,	278 7 1	Sundry Receipts	30 6 2
Institute Expenses	313 11 11	Sales of Transactions	93 17 6
Unauthorised Expenditure—		Savings Bank Interest	206 12 10
Entertainment, Wreaths	66 8 10	Rent and Interest—Receiver of Land Revenue	18 7 9
Building Maintenance	1,503 2 6	Memorial Hall and Specimen Purchase	195 19 6
Subscriptions Written Off	56 3 6	Special Donations	159 2 0
South Pacific Commission	24 14 3		
Balance Carried Down	2,060 12 10		
	£16,031 3 5		£16,031 3 5
Capital Purchases from Revenue	1,754 5 9	Balance Brought Down	2,060 12 10
Appropriations—		Balance, 31/3/53	278 2 5
Life Members' Capital Reserve Account	388 10 0		
Memorial Hall Trust Account	29 12 9		
Specimen Purchase Account	166 6 9		
	£2,338 15 3		£2,338 15 3

EDWARD EARLE VAILE TRUST FUND.

	£ s. d.		£ s. d.
To Ethnological Specimens Purchased	183 17 9	By Gross Rents Received to 31/3/53	2,337 6 6
" Library Books Purchased	2,138 4 2	Less Commission	£91 11 6
" Obsolescence Fund, 1952-53	200 0 0	" Insurance	86 6 6
		" Repairs	36 3 7
		" Rates	202 3 4
		" Means of Egress	230 0 0
			646 4 11
		Net Revenue	1,691 1 7
		By Balance Unexpended 31/3/52	374 16 3
		" Sale of Books	38 19 10
		" Amount Overexpended 1952-53	417 4 3
	£2,522 1 11		£2,522 1 11

EDWARD EARLE VAILE TRUST FUND.

Balance Sheet as at 31st March, 1953.

	£	s.	d.		£	s.	d.
Capital Account	40,000	0	0	Properties valued at	40,000	0	0

MUSEUM ENDOWMENT ACCOUNT.

	£	s.	d.		£	s.	d.
To Balance, 31/3/53	13,997	13	0	By Balance, 1/4/52	13,994	3	10
				„ Sales—Receiver of Land Revenue		3	9 2
	£13,997	13	0		£13,997	13	0

LIFE MEMBERS' SUBSCRIPTIONS ACCOUNT.

	£	s.	d.		£	s.	d.
To Balance, 31/3/53—				By Balance, 1/4/52—			
War Savings Investments	2,338	18	6	War Savings Investments	2,270	16	6
Investments	2,321	12	11	Investments	2,001	4	11
				„ Transfer from Income and Expenditure A/c		388	10 0
	£4,660	11	5		£4,660	11	5

ACCUMULATING ENDOWMENT ACCOUNT.

	£	s.	d.		£	s.	d.
To Balance, 31/3/53	432	19	0	By Balance, 1/4/52	422	8	0
				„ Interest to 31/3/53		10	11 0
	£432	19	0		£432	19	0

MACKECHNIE BEQUEST ACCOUNT.

	£	s.	d.		£	s.	d.
To Balance, 31/3/53	8	19	3	By Balance, 1/4/52	8	15	3
				„ Interest to 31/3/53		4	0
	£8	19	3		£8	19	3

SIR JAMES GUNSON TRUST ACCOUNT.

	£	s.	d.		£	s.	d.
To Balance, 31/3/53	35	19	2	By Balance, 1/4/52	35	1	8
				„ Interest to 31/3/53		17	6
	£35	19	2		£35	19	2

MEMORIAL HALL TRUST FUND.

	£	s.	d.		£	s.	d.
To Balance, 31/3/53	837	19	11	By Balance, 1/4/52	788	13	2
				„ Interest to 31/3/53		19	14
				„ Transfer from Income and Expenditure A/c ..		29	12
	£837	19	11		£837	19	11

SPECIMEN PURCHASE FUND.

	£	s.	d.		£	s.	d.
To Transfer to Income and Expenditure A/c ..	400	0	0	By Balance, 1/4/52	874	7	6
„ Balance, 31/3/53	662	11	3	„ Interest to 31/3/53		21	17
				„ Transfer from Income and Expenditure A/c ..		166	6
	£1,062	11	3		£1,062	11	3

AUCKLAND INSTITUTE AND MUSEUM

BALANCE SHEET AS AT 31st MARCH, 1953.

LIABILITIES.		ASSETS.	
	£ s. d.		£ s. d.
Capital Account as at 31/3/52 ..	455,640 6 0	Buildings as at 31/3/53 ..	206,672 16 1
Add		Edward Earle Vaile Properties Trust—	
Capital Purchases from Revenue	1,754 5 9	Properties valued at ..	40,000 0 0
Capital Purchases from Reserves	2,683 2 1		
	460,077 13 10	Furniture and Fittings—	
Endowments—Fixed:		1st April, 1952 ..	24,524 13 4
Costley Bequest ..	7,700 0 0	Additions ..	452 5 3
Mackechnie Bequest ..	2,000 0 0		24,976 18 7
Campbell Bequest ..	1,000 0 0	Collections—	
Herries Bequest ..	1,000 0 0	1st April, 1952 ..	166,091 16 1
Shaw Bequest ..	1,000 0 0	Additions ..	1,537 15 7
Goldie Bequest ..	1,000 0 0		167,628 11 8
Marshall Bequest ..	550 0 0	Library Books—	
Harding Bequest ..	500 0 0	1st April, 1952 ..	18,351 0 6
Nathan Bequest ..	100 0 0	Additions ..	2,447 7 0
Pond Cheeseman Bequest ..	100 0 0		20,798 7 6
Gore Adams Bequest ..	100 0 0	Investments—	
Mitchelson Prize Fund ..	533 14 3	Mortgages ..	4,478 0 3
Houghton Bequest ..	2,000 0 0	Debentures ..	3,331 0 2
Cinematography Trust Fund ..	5,500 0 0	N.Z. Government Inscribed Stock	35,140 8 4
Auckland Savings Bank Trust	2,179 1 7	N.Z. War Savings Investments ..	10,132 0 9
Fund ..	1,000 0 0	Australian Commonwealth Stock	1,982 10 0
A. V. Hanson Bequest ..	25 0 0		55,063 19 6
E. P. Mitchelson Bequest ..	171 1 5	Sundry Debtors—	
A. G. Lunn Bequest ..	1,000 0 0	Subscriptions ..	121 10 0
Sarah Powley Bequest ..	1,000 0 0	Interest accrued ..	195 0 0
Sir Cecil Lees Bequest ..	1,086 3 3		316 10 0
Mrs. Bertha Wilson ..			
J. C. Entrican Bequest ..			
	29,645 0 6		

Endowments—Increasing:

Museum Endowment	13,997 13 0	
Reserve for Depreciation of Investments	377 11 8	
Life Members' Subscriptions	4,660 11 5	
Accumulating Endowment (Ambury Bequest)	432 19 0	
	<hr/>	19,468 15 1

Reserves—

Building Maintenance	5,216 5 10	
Gunson Specimen	35 19 2	
Leys Fund for Ethnological Specimens	112 18 6	
Memorial Hall	837 19 11	
Specimen Purchase	662 11 3	
Mackenzie Library	8 19 3	
Horton Geology Fund	92 17 5	
Cases for White China	10 10 0	
Donation for Purchase of Swords	10 0 0	
Publications Reserve Account	1,925 14 5	
Edward Earle Vaile Properties Trust: Obsolescence Fund	1,272 0 0	
Oceanographic Committee A/c	75 0 0	
South Pacific Commission A/c	200 0 0	
	<hr/>	10,460 15 9

Sundry Creditors—

Subscriptions in Advance		44 13 0
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Income and Expenditure Account—

Balance, 1/4/52	2,413 8 5	
Less Balance, 31/3/53	278 2 5	
	<hr/>	2,135 6 0

£521,832 4 2

Cash—

Post Office Savings Bank	537 4 10	
Auckland Savings Bank	3,807 18 4	
Petty Cash	20 0 0	
Change	21 0 0	
Bank of New Zealand	1,570 13 5	
	<hr/>	5,956 16 7

Edward Earle Vaile Properties Trust—

Revenue Account overexpended as at 31st March, 1953		417 4 3
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£521,832 4 2

GILBERT ARCHIEY,
Treasurer.

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List of Benefactions
made to the
Auckland Institute and Museum
of an amount (or value) exceeding £50.

MONETARY GIFTS.

- 1876 Auckland Citizens: £2,026 subscribed towards first building.
1878 Mr. J. C. Firth donated £106 for show cases.
1884 Mr. Edw. Costley bequeathed £12,150.
1887 Mr. David Nathan bequeathed £100.
1897 Mr. T. Russell donated £100 for geological specimens.
1901 Auckland Citizens subscribed £1,000 for Mair Collection.
1902 Mr. E. A. Mackechnie bequeathed £2,500.
1906 Auckland Citizens subscribed £662 for carved houses.
1911 Auckland Citizens subscribed £684 for ancient carvings.
1913 Sir John Logan Campbell bequeathed £1,000.
1921 Institute Members subscribed £115 for Temple Bronzes.
1923 Sir Wm. H. Herries bequeathed £1,000.
1924 Citizens subscribed £698 for Maori collections.
1925 Institute Members subscribed £100 for Maori collection.
1926 Sir James Gunson Presentation Committee presented £118 for Maori collection. Mr. David Goldie bequeathed £1,000.
1927 Mr. F. Shaw bequeathed £1,000.
1929 Mr. S. J. Ambury bequeathed £250.
1934 Mrs. R. M. Wilson: £50/10/-, given to establish the Sir Edwin Mitchelson Prize Fund.
1940 Mr. Maurice Harding bequeathed £500.
1941 Mr. Ormsby Gore Adams bequeathed £100.
1942 Mr. J. A. Pond bequeathed £100 to commemorate the scientific achievements of Thomas F. Cheeseman.
1944 Mr. E. Earle Vaile gave two blocks of shops and residences worth £10,000 as an endowment for ethnological collections and books.
Mr. R. C. Horton gave £200 towards extending the mineral collection.
Sir Albert and Lady Ellis gave £150 for Library book-cases.
£428 received on account of a bequest by Mr. C. V. Houghton.
Mitchelson Prize Fund increased to £100.

- 1945 Mrs. Bertha Wilson gave £2,000 as an endowment for Cinematography.
Auckland Savings Bank gave £500 for improvements to Exhibition Halls.
Auckland Electric Power Board gave £100.
Mr. R. C. Horton gave £70 for purchase of Georgian Silver Tea Set.
- 1946 Mr. E. Earle Vaile: Gave a freehold section with a two-storey building in Queen Street worth over £30,000 as a further endowment for ethnographical collections and books.
- 1947 Auckland Savings Bank Centennial Gift of £5,000.
Mr. A. V. Hanson bequest of approximately £2,000.
- 1948 Mr. E. P. Mitchelson, bequest of £1,000.
- 1950 Mrs. Sarah Ann Powley, bequest of £171.
Sir Cecil Leys bequeathed £1,000.
- 1951 Mrs. Bertha Wilson gave £1,000 endowment for photography.
- 1952 Mr. James C. Entrican: Bequest of £1,000 for numismatics.
Miss W. S. Dudley and Miss Jean Robertson: Pencil and wash drawings of early New Zealand, by Major Charles Heaphy.

SPECIMENS AND BOOKS.

- 1876 Mr. R. C. Barstow: Large collection of Maori articles.
- 1877 Mr. G. F. Edmonston: 564 volumes of scientific works.
- 1878 Mr. T. Russell, C.M.G.: 34 casts from the antique.
- 1878-83 Mr. J. T. MacKelvie: 390 books and ethnology collection.
- 1887 Mr. C. O. Davis: Valuable Maori collection.
- 1901 Mr. L. D. Nathan: Japanese Shinto Shrine.
- 1913 Mr. Henry Shaw and Mr. F. Shaw: 172 scientific books. Hon. Sir Edwin Mitchelson: Valuable Kauri Gum collection.
- 1915 Dr. C. E. R. Bucknill: Collection of Old English Glass.
- 1916 Mr. Henry Shaw: Collection of Japanese art.
- 1917 Miss Ruth Northcroft: Large Maori and Polynesian Collection
- 1919 The Misses Yates: Collection of Indian weapons.
- 1920 Mr. James Dunning: Collection of North American Mammals.
- 1921 Mr. W. A. Aldred: Valuable collection of Maori specimens.
Hon. J. B. Turner: Important Fijian ethnographical collection.
- 1923 Mr. T. F. Cheeseman, F.L.S., F.N.Z.Inst.: The Cheeseman Herbarium of native and foreign plants.
- 1924 Mr. Wm. Sutherland: Melanesian ethnographical collection.
Mr. A. C. Caughey: Fijian and New Hebridean ethnographical collection.
Mr. R. A. Meek: Ethnographical specimens from Bismarck Group. Messrs. Samuel Vaile & Sons: Large collection of Maori greenstone articles. Sir Cecil Leys and Mrs. Selwyn Upton: The Edge-Partington ethnographical collection of over 2,000 specimens, given in memory of their father, Dr. T. W. Leys.
- 1925 Mr. F. Crossley Mappin: Valuable Maori and South Pacific exhibits.

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- 1926 Mr. Geo. F. Webster: Valuable Maori antiquities.
Mr. H. R. Butcher: Collection of British coins.
Mrs. E. M. Ball: The Thos. Ball Zoological collection.
Mr. F. Crossley Mappin: Ancient Chinese ceramic specimens.
Mr. Hallyburton Johnstone: Silver cup presented by Queen Victoria in 1878 to the Royal George Yacht Club.
- 1927 Mr. F. Crossley Mappin: Valuable Maori carvings.
Mr. Moss Davis: Valuable ethnographical specimens.
- 1928 Sir Cecil Leys and Mrs. Selwyn Upton: Unique and richly carved feather box.
Mr. J. R. Adams Wilkes: Ethnographical collections from Nigeria and New Guinea.
Mr. Harry Kinder: The Dr. Kinder Collection—Maori and Melanesian.
Mr. E. Earle Vaile: Important collection of Maori stone carvings and collection of Eastern ethnographical specimens.
Mrs. S. J. Lushington: Large collection of mollusca.
- 1929 Mr. T. H. Barstow: Maori canoe prows and stern posts.
Mr. W. R. McGregor: New Ireland carved memorial figures.
Mrs., Miss and Mr. A. N. Cooper: The Charles Cooper collection of mollusca.
Rev. W. H. Webster: Large collection of mollusca.
Mr. C. E. Clarke: Large collection of N.Z. Insects.
Executors Mr. W. M. Cole: Stone and Bronze Age Artifacts.
Miss Webster and Mr. G. F. Webster: Water-colour drawings of the Solomon Islands.
- 1930 Mr. John Kenderdine: Large collection of books and pamphlets, including rare early New Zealand works. Mr. H. E. Vaile: A large collection of Maori implements and greenstone ornaments. Mr. Moss Davis: Selected Maori exhibits; also porcelain and ivory. Mr. L. J. Matthews: Two specimens of Moa eggs. Dr. L. Cockayne: Large collection of N.Z. plants.
- 1931 Sir Cecil Leys and Mrs. Selwyn Upton: Valuable Maori antiquities; additions to the Dr. T. W. Leys collection. Mrs. S. J. Lushington: Collection of Silver and Sheffield Plate. Mrs. A. C. Lennard: Collection of English porcelain.
- 1932 Mr. H. S. Dadley: Large and valuable collection of Oriental Arts. Mr. Moss Davis: British Gold and Silver Coins and European Ivories and Bronzes. Hon. Sir James Parr: Gold and Silver Mementoes of public events in New Zealand, and case for their display.
- 1933 Vaile Collection: Additional gift of many valuable Maori antiquities. Mr. W. Goodfellow: Extensive ethnographical collection from Northern Melanesia.
- 1934 Miss Eleanor Brown and Mrs. Geo. Brownlee: Collection of heirlooms of the Ngati-toa and Ngati-awa Tribes.
Messrs. R. B. & G. Matthews: The H.B. Matthews Herbarium.

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- 1935 **Mr. F. Crossley Mappin:** Maori Specimens, including handsomely carved sternpost.
The Admiralty: Model of H.M.S. New Zealand.
- 1936 **Captain G. Humphreys-Davies:** Large and valuable collection of Chinese pottery figures. **Mrs. T. G. Russell:** 235 volumes of chemical and physical works from the library of her father, the late Professor Brown. **Mr. E. Earle Vaile:** Valuable Maori hei-tiki and Rapa Island stone artifacts. **The Estate of the late H. E. Vaile:** Maori and Polynesian ethnographical collection; carvings and ornaments.
- 1937 **Mr. E. Earle Vaile:** Collection of ethnographical specimens and six Italian bronzes. **Sir Algernon Thomas:** Library of scientific books and papers.
- 1938 **Mr. E. Earle Vaile:** Gift of many early New Zealand books and journals. **Mr. J. R. le B. Tomlin:** Gift of valuable early editions of natural history works. **Mr. F. Crossley Mappin:** Early Chinese Pottery and Bronzes.
- 1939 **Mr. E. Earle Vaile:** Maori carvings, large Melanesian collection and gifts to the Library. **Mr. J. R. le B. Tomlin:** Gift of early Worcester china and early works on natural history. **Mr. W. Goodfellow:** Large Melanesian collection.
- 1941 **Mr. H. R. Jenkins:** Historic anchor associated with the ill-fated H.M.S. Bounty. **Mrs. T. G. Russell:** 500 volumes of botanical and biographic works from the library of her father, the late Professor Brown.
Mr. Ormsby Gore Adams bequeathed cinema camera, photographic equipment and nature films.
- 1942 **Mrs. A. A. Richardson:** The late Mr. J. D. Richardson's extensive collection of early Auckland photographs and lantern slides.
Col. the Hon. F. Waite, D.S.O., M.L.C.: Large collection of Egyptian pre-dynastic artifacts, flints, slate palettes, and pottery 7500-4300 B.C.; also pottery lamps of Egyptian, Roman, Greek and Arabic manufacture.
- 1943 **Captain G. A. Humphreys-Davies:** His extensive and valuable collection of Chinese arts. **Mr. E. Earle Vaile:** Large collection of books and pamphlets on exploration and early life in the South Pacific. **Mrs. W. H. Hemingway:** The late Mr. Hemingway's display and cabinet collections of insects. **Colonel the Hon. F. Waite, D.S.O., M.L.C.:** Further collections from Egyptian Pre-dynastic, Dynastic and Ptolemaic periods.
- 1944 **Mrs. B. Quigley and Miss E. Kenderdine:** Large number of books on early New Zealand history. **Mr. E. Earle Vaile:** Collection of works on South Pacific exploration and New Zealand history. **Captain G. A. Humphreys-Davies:** Ancient Chinese bronze sculpture. **Mr. J. C. Entrican:** Large collection of Eastern Polynesian stone implements.

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- 1945 **Mr. W. G. White:** A valuable very representative collection of Worcester and Chelsea China. **Mr. E. Earle Vaile:** Important Maori Ethnographical Collections, and books on South Pacific Exploration and New Zealand History.
- 1947 **Lady Leys Fund, Sir James Gunson Fund, and E. Earle Vaile Fund:** Collection of 60 greenstone hei tiki and greenstone adzes purchased in England.
- Mr. Jas. C. Entrican:** Gave his extensive collection of medals and coins and library of books on Numismatics.
- Mr. Geo. Finn:** Presented a collection of books and newspaper records, reports and illustrations collected over a number of years.
- Lieutenant A. G. Carnahan, R.N.R.:** Presented Viscount Jellicoe's racing 14-footer "Iron Duke."
- 1948 **Sir Frank Mappin:** 16mm Cine-sound projector.
- 1950 **Mrs. J. P. Campbell:** Eighteenth century inlaid sideboard.
- Mr. Wm. Goodfellow:** Delft vase and other early ceramics.
- Mr. V. J. Larner:** Early china and delft vase.
- 1951 **Mrs. Goldie:** Twenty portraits of Maoris by the late Mr. C. F. Goldie.
- Rev. Harry Johnson:** Extensive collection of native arts and crafts from Tanganyika.
- Rev. Charles Palmer:** Melanesian ethnographical collection; mementoes of Bishop Selwyn and early New Zealand books.
- Mr. W. J. Crowther:** Selected examples of English porcelain and eighteenth century silver plate.
- 1952 **Mr. E. Earle Vaile:** Selected early works on discovery and exploration in the Pacific.
- Sir Frank Mappin:** Eighteenth century silver and Sheffield plate.
- New Zealand Insurance Company:** Suite of large cabinets and library furniture.
- Mr. William Goodfellow:** Three Maori portraits by Lindauer.
- Sir Carrick Robertson:** Collection of Zulu ornaments.
- Lieut.-Commander J. F. A. O'Neill:** Ethnographical collection from Tikopia.

ACCESSIONS, 1952-53.

- Canadian Department of Agriculture: Collection of plant specimens.
 Rev. L. W. Allen: Ethnographical specimens from Papua.
 Mr. W. Anso: Profliferated pine cone.
 Mr. O. E. T. Baker: Grey stone kaka-poria.
 Mrs. M. C. Bassett: Ornaments and weapons from Sarawak, Borneo—deposited.
 Mr. B. G. Biggs: Wooden bird spear point.
 Miss M. E. Braund: Two wooden clubs; New Hebrides.
 Dr. R. N. Brothers: Fossil Mollusca.
 Mr. W. T. Brown: Combination field telephone made for Home Guard by donor.
 Mr. H. D. Buddle: Fijian and Samoan arts and crafts.
 Commander Wm. Burrows: Fine mat from Samoa.
 Mr. F. Butcher: North African leather sandals.
 Mr. J. C. M. Butterworth: Confederate States Notes.
 Miss E. W. Carter: Ethnographical specimens.
 Mr. T. C. Chambers: Opilione from Karamu Cave.
 Mr. A. E. Clark: Carved rock from Mangakino.
 Mr. R. J. Collins: Powder flask.
 Mr. A. D. Cooke: Sword, shark-toothed, Gilbert Islands.
 Mr. I. Cooper: Skink.
 Mr. W. C. Copley: Turkish Gallipoli medal.
 The late Mr. W. J. Crowther: George II silver candlesticks.
 Miss E. R. Cardus: Book of seaweeds and ferns.
 Mr. C. W. Devonshire: Grooved stone sinker.
 Miss W. S. Dudley and Miss J. Robertson: Folios of pencil and wash drawings by Major Heaphy.
 Mr. W. H. B. Firth: Wood carving.
 Dr. Welby E. Fisher: Waka kereru.
 Mr. T. V. Fitzpatrick: Walking stick and walking stick-gun.
 Mr. C. Reginald Ford: Bristol cup and saucer.
 Galathea Expedition: Model kayak.
 Mr. William Goodfellow: Three Maori portraits in oils by G. Lindauer.
 Mr. E. D. Hatch: Herbarium specimens, native and naturalized plants.
 Mrs. Maria Petronella Hawke: Victorian domestic ware and by-gones.
 Miss Lilly Hill: Ruler, of wood from the Tamil ship near Raglan.
 The late Mr. C. A. Hille: 25-gauge shotgun.
 Mr. G. R. Hodge: Whale tooth pendant.
 Mrs. R. Hoggard: Burmese musical instrument.
 Lt.-Commander G. M. Holden: Stone adze.
 New Zealand Geological Survey: Collection of Ostracoda, including many types of new species.
 Mr. Mervyn Hynes: 13 coins.
 Department of Internal Affairs: 187 badges of British regiments.
 Mr. Noel Isle: Fossil plant.

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- Mr. A. Jack: United States Army Airman's cap and badges.
 Mrs. G. A. Jackson: Fijian wooden clubs and implements.
 Mr. A. E. Kemp: Sausage making machine and mincing machine used in early days.
 Mr. J. Kennedy: Album of pressed ferns.
 Mr. K. R. Kerr: Wooden implement.
 Mr. R. A. Kirkwood: German sword bayonet.
 Mr. Arthur Lee: Stone toki.
 Mr. V. W. Lindauer: 25 herbarium sheets of algae.
 Miss H. S. B. Lusk: Cane knapsack, British Guiana.
 Mr. F. R. Manson: Stone adze.
 Sir Frank Mappin: Eighteenth century Sheffield plate, Irish potato ring and sugar basket; watchman's rattle, volunteer officers' swords.
 Mrs. P. Marshall: Letters from Bishop Selwyn.
 Dr. B. H. Mason: Large collection of mineral specimens.
 Mr. D. J. M. Mason: Australian, Santa Cruz and Samoan ethnographical specimens.
 Mr. T. W. Mellor: 306 herbarium sheets.
 Mrs. Milne: Venus flower basket.
 Fifteen hundred herbarium specimens: America, Hawaii, Australia, Samoa and New Zealand; Missouri Botanical Gardens; Exchange.
 Mrs. Edward M. Monckton: Chinese Mandarin coat.
 Mr. C. G. Murdock: Carved door lintel and two window sills, Oruarangi; deposited.
 The Agricultural Bank, Athens: Two medals commemorating Cretan revolution, 1898.
 Dr. G. N. MacDiarmid: Tongan and New Britain ethnographical specimens.
 Mr. J. H. McGill: South Africa Republic five pound note.
 Mr. J. F. McIntyre: Wooden 3-tine comb recovered from a swamp.
 Mr. M. B. MacKenzie: Stone adze.
 Mr. J. McLean: Model cloisonné vases, stages of enamel application.
 Mr. I. W. McLeod: River canoe prow.
 Mr. Geo. Nicol: English sampler.
 Mr. P. D. Nicol: Stone toki.
 Mr. W. J. O'Brien: Arab head-dress, worn by the Sheik of Kuwait.
 Lt.-Commander J. F. A. O'Neill: Ethnographical collections from Tikopia and the Reef Islands; and ornithological specimens.
 Mr. J. D. Osborne: Darts for blow-pipe in container, Sarawak.
 Mr. P. O. Patebourne: Collection of ethnographical specimens from New Guinea.
 Mr. H. D. Plummer: Territorial war medal ribbon for voluntary service overseas in 1914.
 Lady Leys Fund: Pitcairn Island stone implements; six series.
 Mrs. R. Shepherd: Paper nautilus shell (*Argonauta tuberculata*).
 Mr. J. Black: Selection of mollusca trawled off Eastern Otago.
 Visitors' Contribution Fund: Eighteenth and XIX Century silver, Sheffield plate and porcelain; pair of Staffordshire pottery dogs.
 Mr. E. A. Reardon: Three stone adzes.

- Mr. H. W. Reynolds: Small greenstone adze.
Sir Carrick Robertson: Zulu plaited work and bead work; Maori stone pounder.
Mr. R. Ross: Maori ethnographical specimens and cannon balls from Ruapekapeka pa.
Miss A. M. Ruddock: Collection of Melanesian specimens.
Mr. A. J. Salmon: Two New Zealand tokens.
Mrs. H. Sanderson: Old letters and document.
Messrs. Sanford Limited: Rabbit specimens.
Mr. C. Simons: Australian skink (*Lygosoma mustelinum*).
Mr. David Small: Coins and pottery, Petra, Trans-Jordan.
Lady Smith: Badge of Commander of the Order of the Indian Empire awarded to Sir Joseph Smith.
Mr. David Smith: Five stone adzes.
Mr. A. C. B. Smithson: Three stone adzes and English bygones.
U.S. National Herbarium: 124 Herbarium specimens.
Mr. W. Spence: Stone axe from the Dodecanese Islands.
Mr. W. Teixeira: Kauri timber with resin.
Mr. Geo. W. Thomson: One pound gold token, Bank of Adelaide, 1852.
University of Massachusetts: 1,100 specimens of ferns and seed plants.
Botanical Museum, State University, Utrecht: 84 Herbarium specimens.
Mr. E. Earle Vaile, O.B.E.: Bronze pin from wrecked vessel south of Raglan Harbour.
Edward Earle Vaile Trust Fund: Carved canoe sternpost; Maori cloak; Sumatran embroidery; Pitcairn Island stone implements; ethnographical specimens from Tokelau Is. and from Melanesia.
Mr. J. G. Vercoe: Flax leaf letter written by Mr. John White.
Council of the Waihi School of Mines, Waihi: Over 700 mineral and rock specimens, New Zealand and foreign.
Mr. A. N. Warwick: Japanese dagger.
Wellcome Medical Museum: Collection of Peruvian pottery and other ethnographical specimens.
Master Robin Wellm: Specimen of *Chalcedony*.
Mrs. Wilcox: Egg of emu.
Miss L. Williams: 100 Swedish plant specimens.
The late Mrs. Maria Willis: Maori specimens, Fijian tambua, English porcelain.
Mr. W. Adam Woodward: Indicator plate from H.M.S. Calliope.
The late Mr. E. C. Young: Greenstone pendant.
Storm-driven and accidentally killed bird specimens, and aviary birds: Auckland Acclimatisation Society: Mrs. Bayldon; Mr. Birdsall; Mr. D. H. Braithwaite; Mr. F. Brown; Messrs. W. and F. Browne; J. L. Davy; Mr. M. E. Fitzgerald; F. Gee; Mr. G. A. Langford; Mr. L. W. McBurney; Miss M. McDonald; Mrs. K. Nicholson; Mrs. N. Onyon; Mr. F. Price; Mr. R. A. Ringer; Mr. C. W. Searle; Mr. R. V. Smith; Master W. Smith; S.P.C.A.; Mr. F. Stobbs; Mr. A. H. Taylor; Mr. E. Tregoweth; Mr. A. D. Wishart; Auckland Zoological Park.

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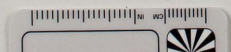
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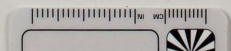
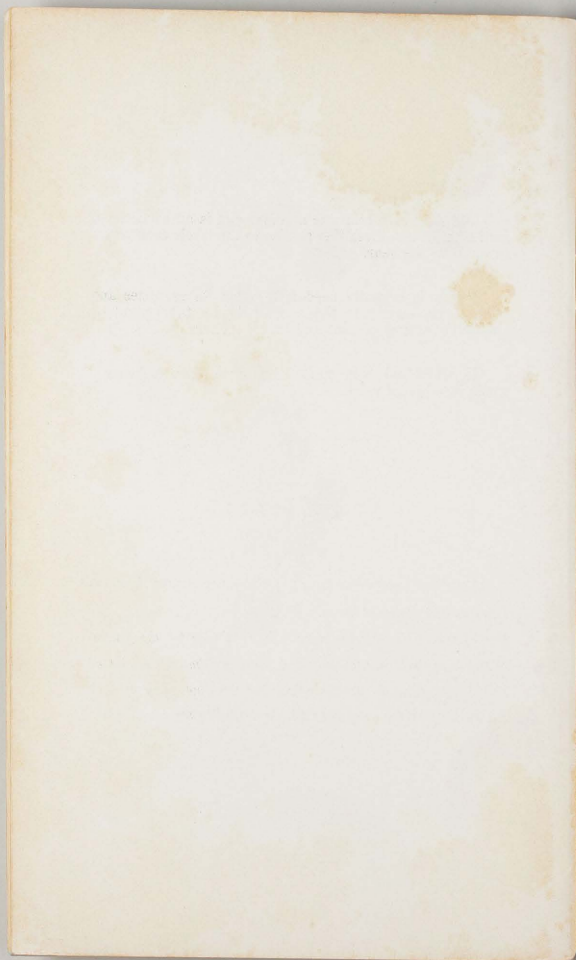
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If additional help cannot be given now, a bequest would be of great value.

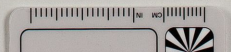
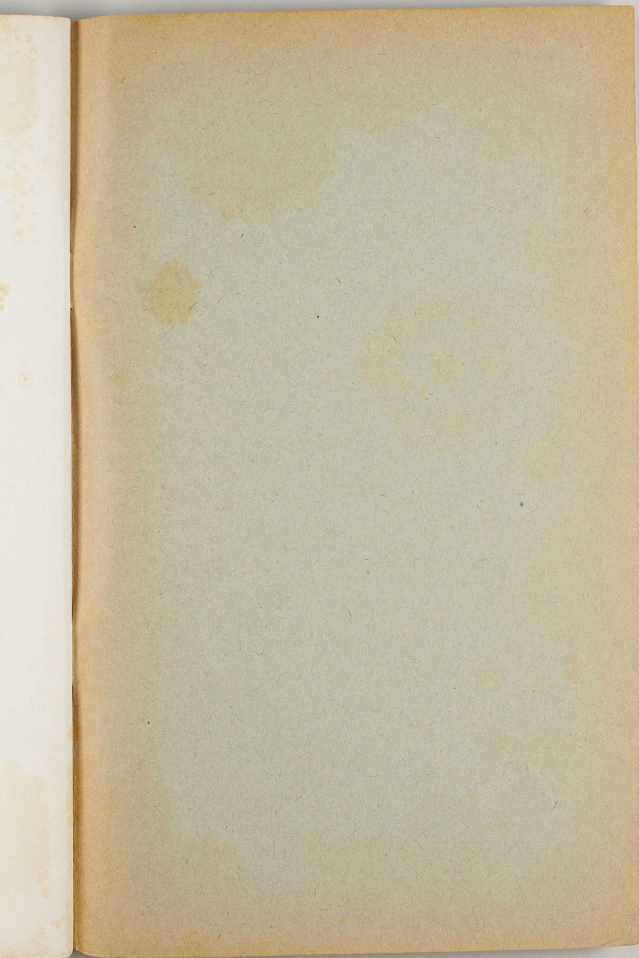
Form of Bequest.

I give and bequeath to the Institution known as the Auckland Institute and Museum the sum of £ free of succession or estate duty to be applicable for the general purposes of such Institution. And I declare that the receipt of the Treasurer or the proper officer for the time being of such Institution shall be a sufficient discharge for the same.

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